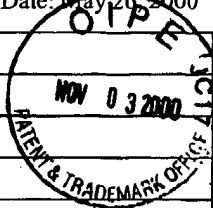


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FORM PTO-1449 (Modified)	Attorney Docket No.: 15270J-004760US	Application No.: 09/580,018
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant: DALE B. SCHENK et al.	
	Filing Date: May 26, 2000	Group: 1641-1647

U.S. PATENT DOCUMENTS							Page 1
Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)	
8 AA	5,958,883	9/28/99	Snow				
AB	5,955,317	9/21/99	Suzuki et al.				
AC	5,955,079	9/21/99	Mond et al.				RECEIVED
AD	5,877,399	3/2/99	Hsiao et al.				NOV 07 2000
AE	5,869,093	2/9/99	Weiner et al.				
AF	5,869,054	2/9/99	Weiner et al.				TECH CENTER 1600/2900
AG	5,854,204	12/29/98	Findeis et al.				
AH	5,851,996	12/22/98	Kline				
AI	5,849,298	12/15/98	Weiner et al.				
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AK	5,786,180	7/28/98	Konig et al.				
AL	5,753,624	5/19/98	McMichael et al.				
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AW	5,571,500	11/5/96	Hafler et al.				
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BE	5,057,540	10/15/91	Kensil et al.				
8 BF	4,666,829	5/19/85	Glenner et al.				
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8 BG	WO 99/60024	11/25/99	PCT				

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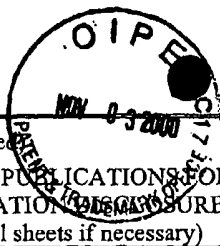


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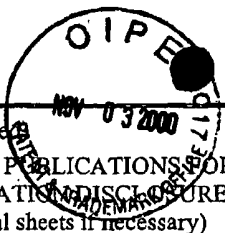
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<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
<input checked="" type="checkbox"/> DK	Andersen et al., "Do nonsteroidal anti-inflammatory drugs decrease the risk for Alzheimer's disease?," <u>Neurology</u> , 45:1441-1445 (1995).					
<input type="checkbox"/> DL	Associated Press, "Immune cells may promote Alzheimer's, a study finds," <u>The Boston Globe</u> (4/13/95).					
<input type="checkbox"/> DM	Bauer et al., "Interleukin-6 and $\alpha$ -2-macroglobulin indicate an acute-phase state in Alzheimer's disease cortices," <u>FEBS Letters</u> , 285(1):111-114 (1991).					
<input type="checkbox"/> DN	Blass, John P., "Immunologic Treatment of Alzheimer's Disease," <u>New England J. Medicine</u> , 341(22):1694 (1999).					
<input type="checkbox"/> DO	Bodmer et al., "Transforming Growth Factor-Beta Bound to Soluble Derivatives of the Beta Amyloid Precursor Protein of Alzheimer's Disease," <u>Biochem. Biophys. Res. Comm.</u> , 171(2):890-897 (1990).					
<input type="checkbox"/> DP	Borchelt et al., "Accelerated Amyloid Deposition in the Brains of Transgenic Mice Coexpressing Mutant Presenilin 1 and Amyloid Precursor Proteins," <u>Neuron</u> , 19: 939-945 (1997).					
<input type="checkbox"/> DQ	Boris-Lawrie et al., "Recent advances in retrovirus vector technology," <u>Cur. Opin. Genet. Develop.</u> , 3: 102-109 (1993).					
<input type="checkbox"/> DR	Brice et al., "Absence of the amyloid precursor protein gene mutation (APP717 : Val->Ile) in 85 cases of early onset Alzheimer's disease," <u>J. Neurology, Neurosurg. Psychiatry</u> , 56:112-115 (1993).					
<input type="checkbox"/> DS	Chao et al., "Transforming Growth Factor- $\beta$ Protects human Neurons Against $\beta$ -Amyloid-Induced Injury," <u>Soc. Neurosci. Abstracts</u> , 19:513.7 (1993).					
<input type="checkbox"/> DT	Duff et al., "Mouse model made," <u>Nature</u> , 373: 476-477 (1995)					
<input type="checkbox"/> DU	Elizan et al., "Antineurofilament antibodies in a postencephalitic and idiopathic parkinson's disease," <u>J. Neurol. Sciences</u> , 59:341-347 (1983).					
<input type="checkbox"/> DV	Felsenstein et al., "Processing of the $\beta$ -amyloid precursor protein carrying the familial, Dutch-type, and a novel recombinant C-terminal mutation," <u>Neuroscience Letters</u> , 152:185-189 (1993).					
<input checked="" type="checkbox"/> DW	Finch et al., "Evolutionary Perspectives on Amyloid and Inflammatory Features of Alzheimer Disease," <u>Neurobiology of Aging</u> , 17(5):809-815 (1996).					



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STATEMENT (Use several sheets if necessary)		Filing Date: May 26, 2000	Group: 1641 <u>1647</u>
<u>20</u> DX	Fisher et al., "Expression of the amyloid precursor protein gene in mouse oocytes and embryos," <u>PNAS</u> , 88:1779-1782 (1991).		
DY	Flanders et al., "Altered expression of transforming growth factor- $\beta$ in Alzheimer's disease," <u>Neurology</u> , 45:1561-1569 (1995).		
DZ	Games et al., "Alzheimer-type neuropathology in transgenic mice overexpressing V717F $\beta$ -amyloid precursor protein," <u>Nature</u> , 373(6514): 523-527 (1995).		
EA	Gandy et al., "Amyloidogenesis in Alzheimer's disease: some possible therapeutic opportunities," <u>TIPS</u> , 13:108-113 (1992).		
EB	Gaskin et al., "Human antibodies reactive with beta-amyloid protein in Alzheimer's disease," <u>J. Exp. Med.</u> , 177:1181-1186 (1993).		
EC	Glenn et al., "Skin immunization made possible by cholera toxin," <u>Nature</u> , 391: 851 (1998).		
ED	Glennner et al., "Alzheimer's Disease: Initial Report of the Purification and Characterization of a Novel Cerebrovascular Amyloid Protein," <u>Biochemical and Biophysical Research Communications</u> , 120(3): 885-890 (1994).		
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EF	Goate et al., "Segregation of a missense mutation in the amyloid precursor protein gene with familial Alzheimer's disease," <u>Nature</u> , 349:704-706 (1991).		
EG	Gozes et al., "Neuroprotective strategy for Alzheimer disease: Intranasal administration of a fatty neuropeptide," <u>PNAS</u> , 93:427-432 (1996).		
EH	Gupta et al., "Differences in the immunogenicity of native and formalized cross reacting material (CRM197) of diphtheria toxin in mice and guinea pigs and their implications on the development and control of diphtheria vaccine based on CRMs," <u>Vaccine</u> , 15(12/13): 1341-1343 (1997).		
EI	Haga et al., "Synthetic Alzheimer amyloid $\beta$ /A4 peptides enhance production of complement C3 component by cultured microglial cells," <u>Brain Research</u> , 601:88-94 (1993).		
EJ	Hanes et al., "New advances in microsphere-based single-dose vaccines," <u>Advanced Drug Delivery Reviews</u> , 28: 97-119 (1997).		
EK	Hardy, "Amyloid, the presenilins and Alzheimer's disease," <u>TINS</u> , 20(4): 154-159 (1997).		
EL	Hardy, John, "New Insights into the Genetics of Alzheimer's Disease," <u>Annals of Med.</u> , 28:255-258 (1996).		
EM	Hsiao et al., "Correlative Memory Deficits, A $\beta$ Elevation, and Amyloid Plaques in Transgenic Mice," <u>Science</u> , 274: 99-102 (1996).		
EN	Huberman et al., "Correlation of cytokine secretion by mononuclear cells of Alzheimer's patients and their disease stage," <u>J. Neuroimmunology</u> , 52:147-152 (1994).		
EO	Hyman et al., "Molecular Epidemiology of Alzheimer's Disease," <u>N. E. J. Medicine</u> , 333(19):1283-1284 (1995).		
EP	Itagaki et al., "Relationship of microglia and astrocytes to amyloid deposits of Alzheimer's disease," <u>J. Neuroimmunology</u> , 24:173-182 (1989).		
EQ	Jansen et al., "Immunotoxins: Hybrid Molecules Combining High Specificity and Potent Cytotoxicity," <u>Immun. Rev.</u> , 62: 185-216 (1982).		
ER	Kalaria, R. N., "Serum amyloid P and related molecules associated with the acute-phase response in Alzheimer's disease," <u>Res. Immunology</u> , 143:637-641 (1992).		
ES	Kawabata et al., "Amyloid plaques, neurofibrillary tangles and neuronal loss in brains of transgenic mice overexpressing a C-terminal fragment of human amyloid precursor protein," <u>Nature</u> , 354:476-478 (1991).		
ET	Lampert-Etchells et al., "Regional Localization of Cells Containing Complement C1q and C4 mRNAs in the Frontal Cortex During Alzheimer's Disease," <u>Neurodegeneration</u> , 2:111-121 (1993).		
EU	Langer, "New Methods of Drug Delivery," <u>Science</u> , 249: 1527-1532 (1990).		
<u>20</u> EV	Lannfelt et al., "Alzheimer's disease: molecular genetics and transgenic animal models," <u>Behavioural Brain Res.</u> , 57:207-213 (1993).		



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<input checked="" type="checkbox"/> EW	Lemere et al., "Mucosal Administration of A $\beta$ Peptide Decreases Cerebral Amyloid Burden In Pd-App Transgenic Mice," <u>Society for Neuroscience Abstracts</u> , vol. 25, part I, Abstract 519.6, 29th Annual Meeting, 10/23-28/99.		
<input type="checkbox"/> EX	Livingston et al., "The Hepatitis B Virus-Specific CTL Responses Induced in Humans by Lipopeptide Vaccination Are Comparable to Those Elicited by Acute Viral Infection", <u>J. Immunol.</u> , 159: 1383-1392 (1997).		
<input type="checkbox"/> EY	Lopez et al., "Serum auto-antibodies in Alzheimer's disease," <u>Acta. Neurol. Scand.</u> , 84:441-444 (1991).		
<input type="checkbox"/> EZ	McGee et al., "The encapsulation of a model protein in poly (D, L lactide-co-glycolide) microparticles of various sizes: an evaluation of process reproducibility", <u>J. Micro. Encap.</u> , 14(2): 197-210 (1997).		
<input type="checkbox"/> FA	Meda et al., "Activation of microglial cells by $\beta$ -amyloid protein and interferon- $\gamma$ ," <u>Nature</u> , 374:647-650 (1995).		
<input type="checkbox"/> FB	Miller et al., "Antigen-driven Bystander Suppression after Oral Administration of Antigens," <u>J. Exp. Med.</u> , 174:791-798 (1991).		
<input type="checkbox"/> FC	Nathanson et al., "Bovine Spongiform Encephalopathy (BSE): Causes and Consequences of a Common Source Epidemic", <u>Am. J. Epidemiol.</u> , 145(11): 959-969 (June 1, 1997).		
<input type="checkbox"/> FD	New York Times National, "Anti-Inflammatory Drugs May Impede Alzheimer's," (2/20/94).		
<input type="checkbox"/> FE	Paresce et al., "Microglial cells influence aggregates of the Alzheimer's disease amyloid beta-protein via a scavenger receptor," <u>Neuron</u> , 17:553-565 (September 1996).		
<input type="checkbox"/> FF	Paul et al., "Transdermal immunization with large proteins by means of ultradeformable drug carriers", <u>Eur. J. Immunol.</u> , 25: 3521-3524 (1995).		
<input type="checkbox"/> FG	Prieels et al., "Synergistic adjuvants for vaccines", <u>Chemical Abstracts</u> , 120(8): pg. 652, column 1, abstract 86406t (1994).		
<input type="checkbox"/> FH	Quon et al., "Formation of $\beta$ -Amyloid protein deposits in brains of transgenic mice," <u>Nature</u> , 352:239-241 (1991).		
<input type="checkbox"/> FI	Raso, V. A., "Immunotherapy of Alzheimer's Disease," <u>Immunotherapy Weekly</u> , Abstract (4/2/98).		
<input type="checkbox"/> FJ	Rogers et al., "Complement activation by $\beta$ -amyloid in Alzheimer Disease," <u>PNAS</u> , 89:1-5 (1992).		
<input type="checkbox"/> FK	Rossor et al., "Alzheimer's Disease Families with Amyloid Precursor Protein Mutations," <u>Annals of New York Academy of Sciences</u> , 695:198-202 (1993).		
<input type="checkbox"/> FL	Selkoe, D.J., "Imaging Alzheimer's Amyloid," <u>Nat. Biotech.</u> , 18:823-824 (2000).		
<input type="checkbox"/> FM	Selkoe, Dennis J., "Amyloid Protein and Alzheimer's Disease.....," <u>Scientific American</u> , pgs. 68-78 (11/91).		
<input type="checkbox"/> FN	Selkoe, Dennis J., "In the Beginning...," <u>Nature</u> , 354:432-433 (1991).		
<input type="checkbox"/> FO	Selkoe, Dennis J., "The Molecular pathology of Alzheimer's Disease," <u>Neuron</u> , 6:487-498 (1991).		
<input type="checkbox"/> FP	Selkoe, Dennis J., "Alzheimer's Disease: Genotypes, Phenotype, and Treatments," <u>Science</u> , 275:630-631 (1997).		
<input type="checkbox"/> FQ	Selkoe, "Alzheimer's Disease: A Central Role for Amyloid", <u>J. Neuropathol. Exp. Neurol.</u> , 53(5): 438-447 (1994).		
<input type="checkbox"/> FR	Selkoe, "Physiological production of the $\beta$ -amyloid protein and the mechanism of Alzheimer's disease", <u>Trends in Neurosciences</u> , 16(10): 403-409 (1993).		
<input type="checkbox"/> FS	Seubert et al., "Isolation and quantification of soluble Alzheimer's $\beta$ -peptide from biological fluids", <u>Nature</u> , 359: 325-327 (1992).		
<input type="checkbox"/> FT	Shiosaka, Sadao, "Attempts to make models for Alzheimer's disease," <u>Neuroscience Res.</u> , 13:237-255 (1992).		
<input type="checkbox"/> FU	Smits et al., "Prion Protein and Scrapie Susceptibility", <u>Vet. Quart.</u> , 19(3): 101-105 (1997).		
<input type="checkbox"/> FV	Solomon et al., "Disaggregation of Alzheimer $\beta$ -amyloid by site-directed mAb," <u>PNAS</u> , 94:4109-4112 (1997).		
<input checked="" type="checkbox"/> FW	Solomon et al., "Monoclonal antibodies inhibit <i>in vitro</i> fibrillar aggregation of the Alzheimer $\beta$ -amyloid peptide," <u>PNAS</u> , 93:452-455 (1996).		
<input type="checkbox"/> FX	<del>Solomon, A., "Pro-Rx (Protein Therapeutics)," University of Tennessee Medical Center</del> <i>improper format</i>		
<input type="checkbox"/> FY	<del>Solomon, B., "New Approach Towards Fast Induction of Anti <math>\beta</math>-Amyloid Peptide Immune Response," Department of Molecular Microbiology &amp; Biotechnology, Tel-Aviv University, Ramat-Aviv, Tel-Aviv, Israel.</del> <i>improper format</i>		
<input checked="" type="checkbox"/> FZ	Stoute et al., "A Preliminary Evaluation of a Recombinant Circumsporozoite Protein Vaccine Against <i>Plasmodium Falciparum</i> Malaria", <u>N. Engl. J. Med.</u> , 336(2): 86-91 (1997).		

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<del>80</del> GA	Sturchler-Pierrat et al., "Two amyloid precursor protein transgenic mouse models with Alzheimer disease-like pathology", <i>PNAS</i> , 94: 13287-13292 (1997).		
GB	Tanaka et al., "NC-1900, an active fragment analog of arginine vasopressin, improves learning and memory deficits induced by beta-amyloid protein in rats," <i>European J. Pharmacology</i> , 352:135-142 (1998).		
GC	Trieb et al., "Is Alzheimer beta amyloid precursor protein (APP) an autoantigen? Peptides corresponding to parts of the APP sequence stimulate T lymphocytes in normals, but not in patients with Alzheimer's disease," <i>Immunobiology</i> , 191(2-3):114-115 Abstract C.37, (1994).		
GD	Verbeek et al., "Accumulation of Intercellular Adhesion Molecule-1 in Senile Plaques in Brain Tissue of patients with Alzheimer's Disease," <i>Amer. Journ. Pathology</i> , 144(1):104-116 (1994).		
GE	Walker et al., "Labeling of Cerebral Amyloid <i>In Vivo</i> with a Monoclonal Antibody," <i>J. Neuropath. Exp. Neurology</i> , 53(4):377-383 (1994).		
GF	Wengenack et al., "Targeting Alzheimer amyloid plaques in vivo," <i>Nature Biotech.</i> , 18:868-824 (2000).		
GG	Weiner et al., "ORAL TOLERANCE: Immunologic Mechanisms and Treatment of Animal and Human Organ-Specific Autoimmune Diseases by Oral Administration of Autoantigens," <i>Annu. Rev. Immunol.</i> , 12:809-837 (1994).		
GH	Weissmann et al., "Bovine spongiform encephalopathy and early onset variant Creutzfeldt-Jakob disease", <i>Curr. Opin. Neurobiol.</i> , 7: 695-700 (1997).		
<del>80</del> GI	Wood et al., "Amyloid precursor protein processing and A $\beta$ 42 deposition in a transgenic mouse model of Alzheimer disease", <i>PNAS</i> , 94: 1550-1555 (1997).		
<del>GJ</del>	Human Immunology & Cancer Program brochure, from The University of Tennessee Medical Center/Graduate School of Medicine, Knoxville, Tennessee, improper format		
EXAMINER	DATE CONSIDERED 12-5-02		

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FOREIGN PATENT DOCUMENTS					
	Document No.	Date	Country	Class	Sub-class
AA	EP 613 007	8/31/94	Europe		
AB	WO 95/11994	5/4/95	PCT		
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
AC	Schenk et al., "Immunization with amyloid- $\beta$ attenuates Alzheimer-disease-like pathology in the PDAPP mouse," <u>Nature</u> , 400:173-177 (1999).				
AD	Van Gool et al., "Concentrations of amyloid- $\beta$ protein in cerebrospinal fluid increase with age in patients free from neurodegenerative disease," <u>Neuroscience Letters</u> , 172:122-124 (1994).				
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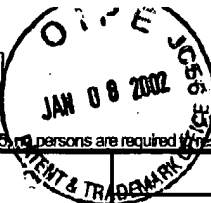
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

Application Number	09/580,018
Filing Date	05/26/00
First Named Inventor	Dale B. Schenk
Group Art Unit	1041-1647
Examiner Name	Unassigned- NICHOLS
Attorney Docket Number	15270J-004760US

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
20	196	6,150,091		Pandolfo et al.	11-21-2000	
	1	6,057,367		Stamler et al.	05-02-2000	
	207	5,780,587		Potter	07-14-1998	
	197	5,744,368		Goldgaber et al.	04-28-1998	
	211	5,738,142		Setta et al.	04-07-1998	
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	181	5,270,165		Van Nostrand et al.	12-14-1993	
	32	5,187,153		Cordell et al.	02-16-93	
	198	5,004,697		Pardridge	04-02-1991	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
20	187	EP	783 104	A1		07-09-1997		<input type="checkbox"/>
	199	PCT	00/77178	A1		12-21-2000		<input type="checkbox"/>
	188	PCT	00/43049	A1		07-27-2000		<input type="checkbox"/>
	203	PCT	99/00150	A2		01-07-1999		<input type="checkbox"/>
	202	PCT	97/21728	A1		06-19-1997		<input type="checkbox"/>
	208	PCT	96/28471	A1		09-19-1996		<input type="checkbox"/>
	200	PCT	95/12815	A1		05-11-1995		<input type="checkbox"/>
	201	PCT	94/28412	A1		12-08-1994		<input type="checkbox"/>
	205	PCT	93/04194	A1		03-04-1993		<input type="checkbox"/>
	87	PCT	89/01343	A1		02-23-1989		<input type="checkbox"/>

Examiner Signature

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Date Considered

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

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### Complete if Known

Application Number	09/580,018
Filing Date	05/26/00
First Named Inventor	Dale B. Schenk
Group Art Unit	4641-1647
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004760US

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	204	BERCOVICI et al., "Chronic Intravenous Injections of Antigen Induce and Maintain Tolerance in T Cell Receptor-Transgenic Mice," <u>Eur. J. Immunol.</u> 29:345-354 (1999).	<input type="checkbox"/>
	212	BICKEL et al., "Site Protected, Cationized Monoclonal Antibody Against Beta Amyloid as a Potential Diagnostic Imaging Technique for Alzheimer's Diseases," <u>Soc. for Neuroscience Abstracts</u> 18:764 (1992).	<input type="checkbox"/>
	176	BARD et al., "Peripherally administered antibodies against amyloid $\beta$ -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <u>Nature Medicine</u> , 6(8):916-919 (2000).	<input type="checkbox"/>
	213	CHEN et al. "An Antibody to $\beta$ Amyloid Precursor Protein Inhibits Cell-substratum Adhesion in Many Mammalian Cell Types," <u>Neuroscience Letters</u> 125:223-226 (1991).	<input type="checkbox"/>
	214	DEMATOS et al., "Peripheral Anti A $\beta$ Antibody Alters CNS And Plasma A $\beta$ Clearance and Decreases Brain A $\beta$ Burden in a Mouse Model of Alzheimer's Disease," <u>Proc. Natl. Acad. Sci. USA</u> , 10.1073/pnas.151261398 (2001).	<input type="checkbox"/>
	210	FRIEDLAND et al., "Development of an anti-A $\beta$ monoclonal antibody for in vivo imaging of amyloid angiopathy in Alzheimer's disease," <u>Mol. Neurology</u> , 9:107-113 (1994).	<input type="checkbox"/>
	215	GAMES et al., "Prevention and Reduction of AD-type Pathology in PDAPP Mice Immunized with A $\beta$ 1-42," <u>Annals of the New York Academy of Science</u> 920:274-84 (2000).	<input type="checkbox"/>
	190	GRAVINA et al., "Amyloid $\beta$ Protein (A $\beta$ ) in Alzheimer's Disease," <u>J. Biol. Chem.</u> , 270(13):7013-7016 (1995).	<input type="checkbox"/>
	193	HARRINGTON et al., "Characterisation of an epitope specific to the neuron-specific isoform of human enolase recognised by a monoclonal antibody raised against a synthetic peptide corresponding to the C-terminus of $\beta$ / A4-protein," <u>Biochimica Biophysica Acta</u> , 1158:120-128 (1993).	<input type="checkbox"/>
	177	HELMUTH, L., "Further Progress on a $\beta$ -Amyloid Vaccine," <u>Science</u> , 289:375 (2000).	<input type="checkbox"/>
	192	IWATSUBO et al., "Visualization of A $\beta$ 42(43) and A $\beta$ 40 in Senile Plaques with End-Specific A $\beta$ Monoclonals: Evidence That an Initially Deposited Species Is A $\beta$ 42(43)," <u>Neuron</u> , 13:45-53 (1994).	<input type="checkbox"/>
	216	JOACHIM et al., "Antibodies to Non-beta Regions of the Beta-amyloid Precursor Protein Detect a Subset of Senile Plaques," <u>Am. J. of Pathology</u> 138:373-378 (1991).	<input type="checkbox"/>
	183	KATZAV-GOZANSKY et al., "Effect of monoclonal antibodies in preventing carboxypeptidase A aggregation," <u>Biotechnol. Appl. Biochem.</u> , 23:227-230 (1998).	<input type="checkbox"/>
	195	KONIG et al., "Development and Characterization of a Monoclonal Antibody 3B9.2B Specific for the Carboxyl-Terminus of the A4 Peptide," <u>Annals of NY Acad. Sci.</u> , 777:344-355 (1996).	<input type="checkbox"/>
		218	MAJOCHA et al., "Development of a Monoclonal Antibody Specific for $\beta$ /A4 Amyloid in Alzheimer's Disease Brain for Application to In Vitro Imaging of Amyloid Angiopathy," <u>The J. of Nuclear Med.</u> 33:2184-2189 (1992).

Examiner  
Signature

*[Handwritten Signature]*

Date  
Considered

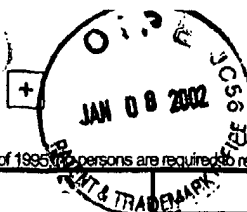
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 3

Complete if Known

Application Number	09/580,018
Filing Date	05/26/00
First Named Inventor	Dale B. Schenk
Group Art Unit	1041 1047
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004760US

217	MASTERS et al., "Amyloid Plaque core protein in Alzheimer Disease and Down Syndrome," <u>Proc. Natl. Acad. Sci. USA</u> , 82:4245-4249 (1985).	<input checked="" type="checkbox"/>
206	MORI et al., "Mass Spectrometry of Purified Amyloid $\beta$ Protein in Alzheimer's Disease," <u>J. Biol. Chem.</u> , 267(24):17082-17088 (1992).	<input checked="" type="checkbox"/>
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<del>144</del>	<del>RASO, V.A.; Grant application # 1 R49 AG1-5746-01, (publication date unknown)</del> <i>improper format</i>	<input checked="" type="checkbox"/>
209	RUDINGER, "Characteristics of the Amino Acids as Components of a Peptide Hormone Sequence," in <u>Peptide Hormones</u> , J.A. Parson, ed. University Park Press, Baltimore, pp 1-7 (1976).	<input checked="" type="checkbox"/>
189	SAIDO et al., "Spatial Resolution of Fodrin Proteolysis in Postischemic Brain," <u>J. Biol. Chem.</u> , 268(33):25239-25243 (1993).	<input checked="" type="checkbox"/>
184	SAIDO et al., "Spatial Resolution of the Primary $\beta$ -Amyloidogenic Process Induced in Postischemic Hippocampus," <u>J. Biol. Chem.</u> , 269(21):15253-15257 (1994).	<input checked="" type="checkbox"/>
178	SCHENK et al., "Therapeutic Approaches Related to Amyloid- $\beta$ Peptide and Alzheimer's Disease," <u>J. Med. Chem.</u> , 38(21):4141-4154 (1995).	<input checked="" type="checkbox"/>
182	SOLOMON et al., "Inhibitory effect of monoclonal antibodies on Alzheimer's $\beta$ -amyloid peptide aggregation," <u>Int. J. Exp. Clin. Invest.</u> , 3:130-133 (1996).	<input checked="" type="checkbox"/>
184	SOLOMON et al., "Thermal Stabilization of Carboxypeptidase A as a Function of PH and Ionic Milieu," <u>Biochem. Mol. Biol. Int.</u> , 43(3):601-611 (1997).	<input checked="" type="checkbox"/>
185	SOLOMON et al., "Modulation of The Catalytic Pathway of Carboxypeptidase A by Conjugation with Polyvinyl Alcohols," <u>Adv. Mol. Cell Biology</u> , 15A:33-45 (1996).	<input checked="" type="checkbox"/>
<del>180</del>	<del>SOLOMON et al., "Activity of monoclonal antibodies in prevention of in vitro aggregation of their antigens," abstract from Department of Molecular Microbiology and Biotechnology, Tel-Aviv University, Tel-Aviv, Israel (publication date unknown)</del> <i>improper format</i>	<input checked="" type="checkbox"/>
179	SOUTHWICK et al., "Assessment of Amyloid $\beta$ protein in Cerebrospinal fluid as an Aid in the Diagnosis of Alzheimer's Disease," <u>J. Neurochemistry</u> , 66:259-265 (1996).	<input checked="" type="checkbox"/>
180	WEN, G.Y., "Alzheimer's Disease and Risk Factors," <u>J. Food Drug Analysis</u> , 6(2):465-476 (1998).	<input checked="" type="checkbox"/>
219	WONG et al., "Neuritic Plaques and Cerebrovascular Amyloid in Alzheimer Disease are Antigenically Related," <u>Proc. Natl. Acad. Sci. USA</u> , 82:8729-8732 (1985).	<input checked="" type="checkbox"/>

Examiner  
Signature

*[Signature]*

Date  
Considered

12-08-02

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<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 13

**Complete if Known**

Application Number	09/580,018
Filing Date	May 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner-Nichols
Attorney Docket Number	15270J-004760US

**U.S. PATENT DOCUMENTS**

Examiner's Initials	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DS	326	2002/0136718 A1	09-28-2002	Raso	
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	221	5,989,566	11-23-1999	Cobb et al.	
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	321	5,837,672	11-17-1998	Schenk et al.	
	320	5,593,846	01-14-1997	Schenk et al.	
	284	5,231,170	07-27-1993	Averback	
	242	66/168,594	N/A	Challfour et al.	
	282	66/169,687	N/A	Challfour	
	205	66/184,601	N/A	Holtzman et al.	
	206	60/254,465	N/A	Holtzman et al.	
	207	60/254,498	N/A	Holtzman et al.	
	200	60/186,295	N/A	Rasmussen et al.	

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J. H. H. H.

Date  
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2 of 13

Complete if Known

Application Number	09/580,018
Filing Date	May 26, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Sharon Turner
Attorney Docket Number	15270J-004760US

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>8</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
CS	294	WO	01/62801	A2	08-30-2001			
	301	WO	01/62284	A2	03-01-2000			
	298	WO	01/42306	A2	06-14-2001			
	243	WO	01/39796	A2	06-07-2001			
	322	WO	00/72880	A2, A3	12-07-2000			
	323	WO	00/72876	A2, A3	12-07-2000			
	324	WO	00/72870	A1	12-07-2000			
	240	WO	00/43039	A1	07-27-2000			
✓	331	WO	99/06545	A2	11-02-1999			
CS	227	WO	95/11008	A2	04-27-1995			

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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/580,018
		Filing Date	May 26, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Sharon Turner <i>NICHOLS</i>
Sheet 3 of 13	Attorney Docket Number	15270J-004760US	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
<i>GW</i>	228	BARROW, et al., "Solution Conformations and aggregational Properties of Synthetic Amyloid Beta-Peptides of Alzheimer's Disease. Analysis of Circular Dichroism Spectra" <u>J. Mol. Biol.</u> , 225(4): 1075-1093 (1992).	-
<i>↓</i>	239	BEASLEY, "Alzheimer's traced to proteins caused by aging," Reuters, April 20, 2001 7:56 PM ET.	-
<i>↓</i>	327	CAMERON, "Recent Advances in Transgenic Technology," <u>Molecular Biotechnology</u> , 7:253-265 (1997).	-
<i>GW</i>	285	CAPUTO et al., "Therapeutic approaches targeted at the amyloid proteins in Alzheimer's disease," <u>Clin. Neuropharm.</u> , 15:414A-414B (1992).	-
	224	<del>Center for Biologics Evaluation and Research, U.S. Food and Drug Administration, Thimerosal in Vaccines (Mercury in Plasma-Derived Products), web site contents found at : <a href="http://www.fda.gov/ocber/vaccine/thimerosal.htm">http://www.fda.gov/ocber/vaccine/thimerosal.htm</a>, last updated May 16, 2002.</del>	-
<i>GW</i>	266	CHAPMAN, PAUL F., "Model behavior," <u>Nature</u> , 408:915-916 (2000).	-
<i>GW</i>	222	Chemical Abstract database, Abstract of "Injection of Newborn Mice with Seven Chemical Adjuvants to Help Determine Their Safety in Use in Biologicals," Chemical Abstract database. (Publication date unknown.)	-

Examiner Signature <i>G. Williams</i>	Date Considered <i>4/29/03</i>
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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/580,018
		Filing Date	May 26, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Sharon Turner <i>WICHES</i>
Sheet 4 of 18	Attorney Docket Number	15270J-004760U9	

307	CHEN, et al. A learning deficit related to age and beta-amyloid plaques in a mouse model of Alzheimer's disease. <i>Nature</i> . 408(6815):975-9 (2000).
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Examiner Signature	<i>Sharon Turner</i>	Date Considered	4/29/03
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	08/580,018
		Filing Date	May 28, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Sharon Turner-Dickens
		Attorney Docket Number	15270J-004760US
Sheet	5	of	13

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Examiner Signature	<i>[Signature]</i>	Date Considered	4/29/03
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**Complete If Known**

Application Number	09/580,018
Filing Date	May 26, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner-Nichols
Attorney Docket Number	15270J-004760US

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Examiner Signature	<i>[Signature]</i>	Date Considered	4/29/03
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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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## **Complete if Known**

Application Number 09/580,018  
 Filing Date May 28, 2000  
 First Named Inventor Dale B. Schenk  
 Art Unit 1647  
 Examiner Name Sharon Turner  
 Attorney Docket Number 15270J-004780US

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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/580,018
		Filing Date	May 26, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1847
		Examiner Name	Sharon Turner NICHOLS
		Attorney Docket Number	15270J-004780US
Sheet	8	of	18

CDO	334	JOBLING and HOLMES, "Analysis of structure and function of the B subunit of cholera toxin by the use of site-directed mutagenesis," <u>Molecular Microbiology</u> , 5(7):1755-1767 (1991).
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Examiner Signature	<i>G. M. Nichols</i>	Date Considered	4/29/03
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	09/580,018
		Filing Date	May 26, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1847
		Examiner Name	Sharon Turner <b>NICHOLS</b>
		Attorney Docket Number	15270J-004780US
Sheet	9	of	13

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Examiner Signature	<i>G. M. [Signature]</i>	Date Considered	4/29/03
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of 13

**Complete If Known**

Application Number	09/580,018
Filing Date	May 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner - Nichols
Attorney Docket Number	16270J-004750JS

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Examiner Signature	<i>G. M. S.</i>	Date Considered	4/29/03
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/580,018
		Filing Date	May 26, 2000
		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Sharon Turner NICHOLS
Sheet 11 of 13	Attorney Docket Number	15270J-004760US	

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Examiner Signature	<i>[Signature]</i>	Date Considered	7/29/03
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	09/580,018
Filing Date	May 26, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner NICHOLS
Attorney Docket Number	15270J-004760US

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**INFORMATION DISCLOSURE  
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Sheet 13

of 13

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Application Number	09/580,018
Filing Date	May 26, 2000
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Art Unit	1647
Examiner Name	Sharon Turner NICHOLS
Attorney Docket Number	15270J-004780US

GU	274	WEINER et al., "Nasal administration of amyloid- $\beta$ peptide decreases cerebral amyloid burden in a mouse model of Alzheimer's disease," <u>Annals of Neurology</u> , 48:567-579 (2000).
	223	WISCONSIN ALUMNI RESEARCH FOUNDATION, "Injection of Newborn Mice with Seven Chemical Adjuvants to Help Determine Their Safety in Use in Biologicals", U.S. Govt. Res. Develop. Rep., 70(24), 66. (Publication date unknown.)
GU	275	WU, et al., "Drug targeting of a peptide radiopharmaceutical through the primate blood-brain barrier in vivo with a monoclonal antibody to the human insulin receptor," <u>J. Clin. Invest.</u> , 100:1804-1812 (1997).
↓	292	YAMAGUCHI et al., Diffuse plaques associated with astroglial amyloid $\beta$ protein, possibly showing a disappearing stage of senile plaques," <u>Acta Neuropathol.</u> , 95:217-222 (1998).
GU	290	YOUNKIN, "Amyloid $\beta$ vaccination: reduced plaques and improved" cognition," <u>Nature Medicine</u> , 7:18-19 (2001).

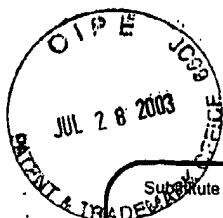
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		Application Number	09/580,018
		Filing Date	May 26, 2000
		First Named Inventor	Schenk, Dale B.
		Art Unit	1647
		Examiner Name	Christopher Nichols
		Attorney Docket Number	15270J-004760US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
GN	349	CHECK, "Battle of the Mind," <u>Nature</u> , 422:370-372 (March 2003).	
GN	350	Nicoll et al., "Neuropathology of human Alzheimer's disease after immunization with amyloid- $\beta$ peptide: a case report," <u>Nature Medicine</u> , 9(4):448-452 (April 2003).	

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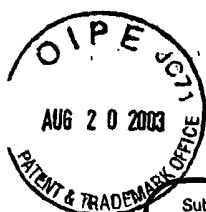
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✓	391	AGUZZI et al., "Prion research: the next frontiers," <u>Nature</u> , 389:795-798 (1997).
	393	AKIYAMA et al., "Inflammation and Alzheimer's disease," <u>Neurobiology of Aging</u> , 21:383-421 (2000).
	372	AKIYAMA et al., "Occurrence of the Diffuse Amyloid $\beta$ -Protein (A $\beta$ ) Deposits With Numerous A $\beta$ -Containing Glial Cells in the Cerebral Cortex of Patients With Alzheimer's Disease," <u>Glia</u> , 25:324-331 (1999).
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	390	DIOMEDE et al., "Activation effects of a prion protein fragment [PrP-(106-126)] on human leucocytes," <u>Biochem. J.</u> , 320:53-570 (1996).
	363	DODART, "Immunotherapy for Alzheimer's disease: will vaccination work?" <u>Trends in Molecular Medicine</u> , 9(3):85-87 (2003).
	366	FRATUTSCHY et al., "Effects of injected Alzheimer $\beta$ -amyloid cores in rat brain," <u>PNAS</u> , 88:8362-8366 (1991).
	364	FURLAN et al., "Vaccination with amyloid- $\beta$ peptide induces autoimmune encephalomyelitis in C57/BL6 mice," <u>Brain</u> , 126:285-291 (2003).
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✓	374	JAKES et al., "Characterisation of an Antibody Relevant to the Neuropathology of Alzheimer Disease," <u>Alzheimer Disease and Associated Disorders</u> , 9(1):47-51, Raven Press, Ltd., New York (1995).
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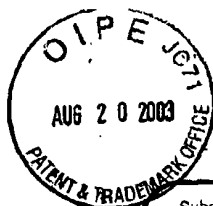
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Application Number	09/580,018
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Art Unit	1647
Examiner Name	Christopher J. Nichols
Attorney Docket Number	15270J-004760US

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CSK	347	JORBECK et al., "Artificial <i>Salmonella</i> Vaccines: <i>Salmonella typhimurium</i> O-antigen-Specific Oligosaccharide-Protein Conjugates Elicit Opsonizing Antibodies that Enhance Phagocytosis," <i>Infection and Immunity</i> , May:497-502 (1981).	
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	396	SIGURDSSON et al., "Anti-prion antibodies for prophylaxis following prion exposure in mice," <i>Neurosciences Letters</i> , 336:185-187 (2003).	
	384	SIGURDSSON et al., "Immunization Delays the Onset of Prion Disease in Mice," <i>American Journal of Pathology</i> , 161:13-17 (2002).	

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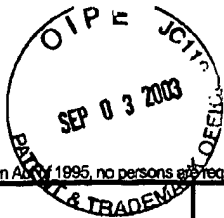
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	405	6,399,314	B1	06-04-2002	Krishnamurthy	
	401	6,284,533	B1	09-04-2001	Thomas	
	403	5,464,823		11-07-1995	Lehrer et al.	
	402	4,713,366		12-15-1987	Stevens	

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	404	BENJAMINI and LESKOWITZ, from <i>IMMUNOLOGY A Short Course</i> , Second Edition, Chapter 4, Antibody Structure, pages 49-65, 1991, published by Wiley-Liss, Inc., New York, New York.	
	406	PAN et al., "Antibodies to $\beta$ -Amyloid Decrease the Blood-to-Brain Transfer of $\beta$ -Amyloid Peptide," <i>Exp. Biol. Med.</i> , 227(8):609-615 (2002).	

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